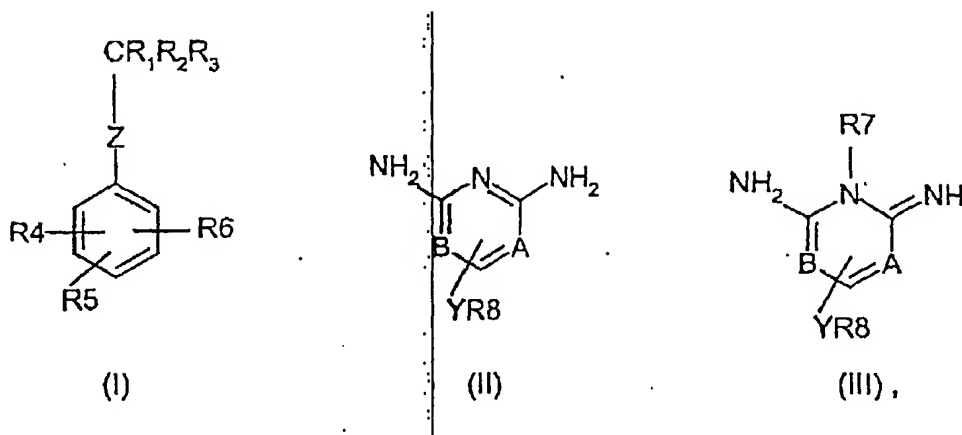


Claims

1. An agent for promoting the growth of hair and/or decreasing hair fall-out, wherein at least one of the compounds of formula (I), (II) and/or (III) or their physiologically tolerated salts,



is contained, in which the groups A, B, Y, Z and R1 to R8 independently of one another have the following meaning:

A and B independently of one another represent a CH group or a nitrogen atom, at least one of the two groups A and B representing a CH group,

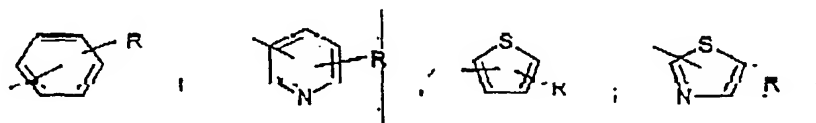
Y represents -O-, $-(CH_2)_n$ -, $-NH-CH_2$ -, $-CH_2-NH$ -, $-NH-CH_2$ -, $-N=N$ -, $-CH=CH$ -, $-CH_2-O$ -, $O-CH_2$ -, $-N=CH$ -, $-CH=N$ -, $-(CH_2-CH_2-O)_m$ - or $-(O-CH_2-CH_2)_m$ -, with m and n equal to a whole number from 1 to 4,

Z represents $-NH-CH_2$ -, $-CH_2-CH_2$ -, $-CH=CH$ - or $-CH_2-NH$ -,

R1 is -H, -OH or a C_1 to C_4 hydroxyalkyl group,

R2 is H, cyclopropyl or a C_1 to C_4 alkyl group,

R3 is a C_1 to C_2 hydroxyalkyl group, $-CH_2-X$ or $-CHX_2$ (with $X = F, Cl, Br$ or I), $-COCH_3$, $-CF_3$, $-CH_3$ or



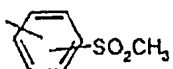
(in which R is NO_2 , SO_2CH_3 , CF_3 , CHF_2 , F, Cl),

R4, R5, R6 independently of one another are $-NO_2$, $-CF_3$, $-CHF_2$, -F, -Cl, -Br or -H,

R7 is OH, $-OSO_3H$, $-O-(C_1 \text{ to } C_4 \text{ alkyl})$ or $-OCOCH_3$,

R8 is a C₁ to C₆ alkyl group, a C₁ to C₆ hydroxyalkyl group, a C₂ to C₆ hydroxy-alkenyl group, an aryl group, a heteroaryl group or a C₂ to C₆ alkenyl carboxylic acid group.

2. The agent of claim 1, wherein the compound of formula (1), in which **Z** is -NH-CH₂-, -CH₂-CH₂-, -CH=CH- or -CH₂-NH-, **R1** is -OH, -CH₂OH or -CH₂CH₂OH, **R2** is -H, CH₃, or -C₂H₅; **R3** is



a C₁ to C₂ hydroxyalkyl group, -CH₂-X (with X = F, Cl, Br or I), -CF₃, or -CH₃ and **R4**, **R5**, **R6** independently of one another are -NO₂, -CHF₂, -CH₂F, -F, -Cl, -Br or -H.

3. The agent of claim 1, wherein the compound of formula (II) is selected from compounds of formula (II) in which **A** represents -CH- or -N-, **Y** represents -N=N-, -(CH₂)_n-, -CH=CH-, -CH=N- or -N=CH- and **R8** a C₁ to C₆ alkyl group, a C₁ to C₆ hydroxyalkyl group, a phenyl group, a benzyl group or a pyridyl group.

4. The agent of claim 1, wherein the compound of formula (III) is selected from compounds of formula (III) in which **A** is -CH- and **B** is -CH- or -N-, **Y** is -N=N-, -(CH₂)_n-, -CH=CH-, -CH=N- or -N=CH-, **R7** is -OH, -OSO₃H or -O-(C₁ to C₄ alkyl) and **R8** is a C₁ to C₆ alkyl group, a C₁ to C₆ hydroxyalkyl group, a phenyl group, a benzyl group or a pyridyl group.

5. The agent of one of the claims 1 to 4, wherein the compound of formula (I), (II) and/or (III) is selected from 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-3-chloro-2-hydroxy-propane, 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-2-hydroxy-2-trifluoromethylethane, 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-2,3-dihydroxy-propane, 1-(2'-nitro-4'-trifluoromethyl-phenyl)-3,4-dihydroxy-1-butene, 2,6-

diamino-3-((pyridine-3-yl)-azo)-pyridine and 2,6-diamino-3-((pyridine-3-yl)-azo)-pyridine-1-oxide or combinations of these compounds.

6. The agent of claim 5, wherein the compound of formula (I), (II) and/or (III) is selected from 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-2,3-propylene glycol and 2,6-diamino-3-((pyridine-3-yl)-azo)-pyridine as well as from the combination of these compounds.

7. The agent of one of the claims 1 to 6, wherein the compound of formulas (I) and/or (II) are contained in a total amount of 0.001 to 10 percent by weight.

8. The agent of one of the claims 1 to 7, present in the form of a sustained release preparation or a hair tonic.

9. A hair treatment method for reducing the fall-out of hair and for promoting hair growth, wherein a sufficient amount of an agent of one of the claims 1 to 8 is applied on the hair and the scalp, subsequently the scalp is massaged and the agent is left for at least 24 hours on the hair and the scalp.

10. The use of compounds of formulas (I), (II) and/or (III) for promoting hair growth and/or for reducing the androgenic loss of hair.

11. The use of one or more compounds of the group consisting of 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-3-chloro-2-hydroxy-propane, 1-(N-(2'-nitro-4'-trifluoromethyl-phenyl)-amino)-2-hydroxy-2-trifluoromethylethane, 1-(N-(2'-nitro-4'-tri-fluoromethyl-phenyl)-amino)-2,3-propylene glycol, 1-(2'-nitro-4'-trifluoromethyl-phenyl)-3,4-dihydroxy-1-butene, 2,6-diamino-3-((pyridine-3-yl)-azo)-pyridine and 2,6-diamino-3-((pyridine-3-yl)-azo)-pyridine-1-oxide. Of these compounds, 1-(N-(2'-nitro-4'-tri-fluoromethyl-phenyl)-amino)-2,3-propylene glycol and 2,6-diamino-3-((pyridine-3-

yl)-azo)-pyridine are particularly preferred for promoting hair growth and/or decreasing androgenic loss of hair.